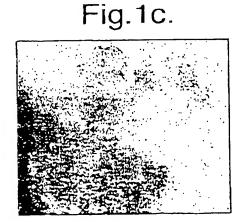


Fig.1a.



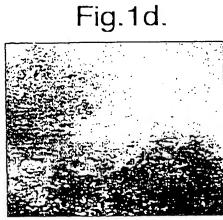


Fig.1b.

Fig.4. 37 SMF Glare SMF SMF Wiener I greyblurred I blurred blurred generation removal level filter noGlare Shot-noise removal CLS removal 13 Foveal Map of SMF Anisotropic diffusion SMF AD micros segmentation noCLS Gradient K map+kStatistical analysis k

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Fig.2a.

Mammogram presenting a lump.

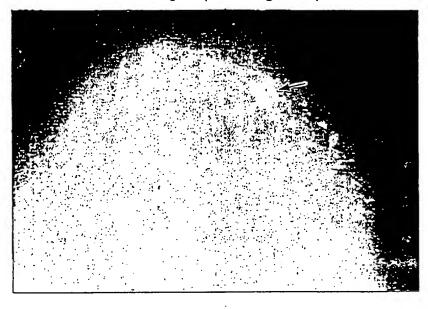
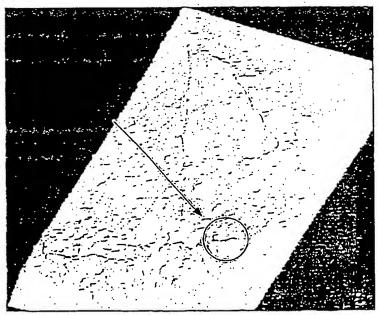


Fig.2b.

The SMF that is generated from the previous mammogram.

The ducts become ridges, and the mass a mountainous area.



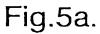
SMF of the breast

Original Mammogram

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PCT/GB2003/002686



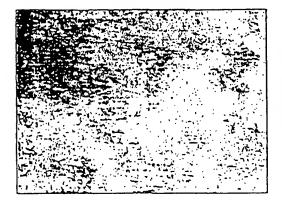


Fig.5b.

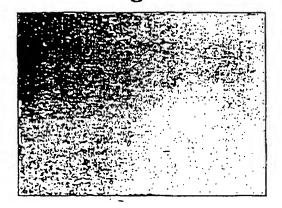


Fig.6a.

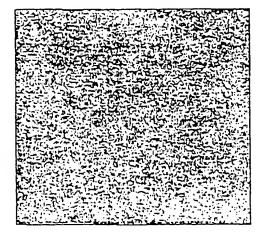
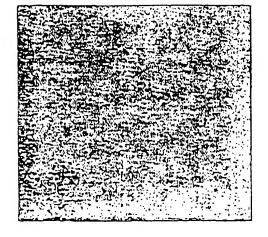
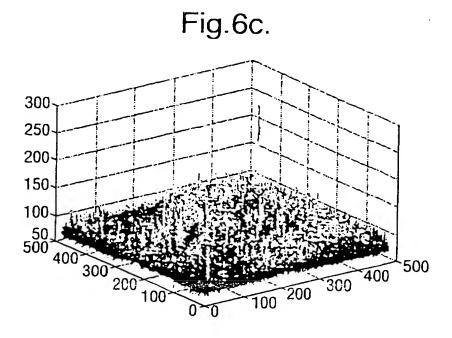
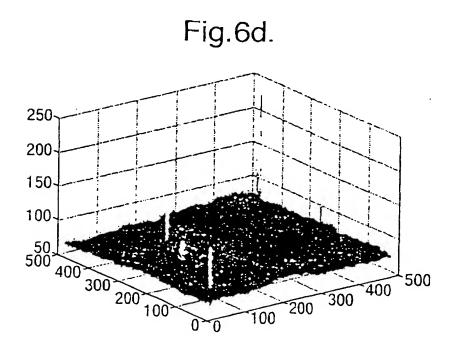


Fig.6b.







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Fig.7a.

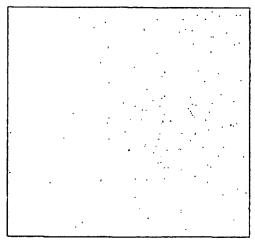


Fig.7b.

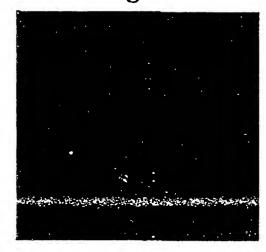


Fig.7c.

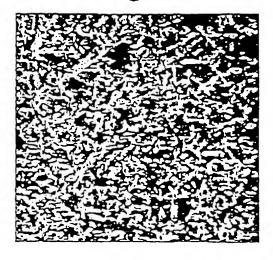
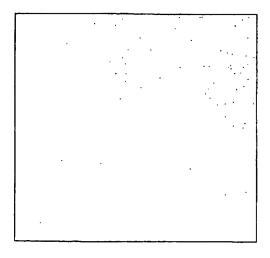
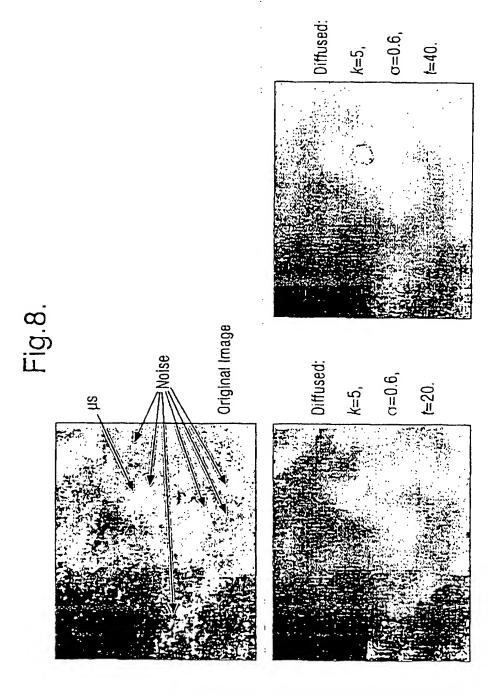


Fig.7d.

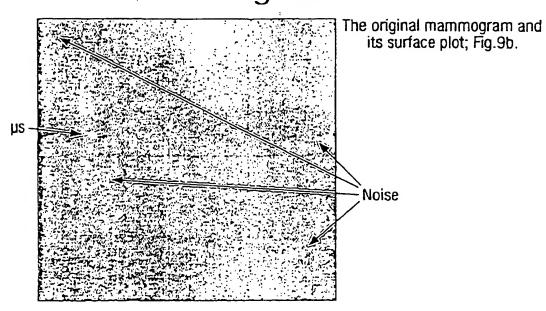






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Fig.9a.





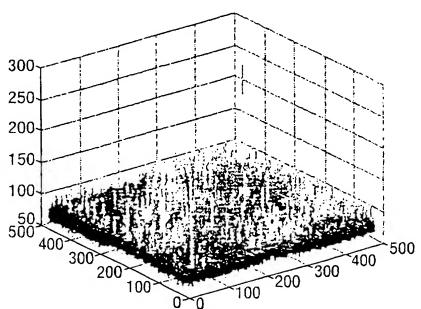
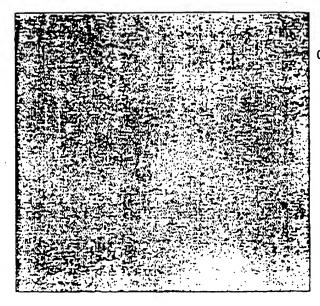
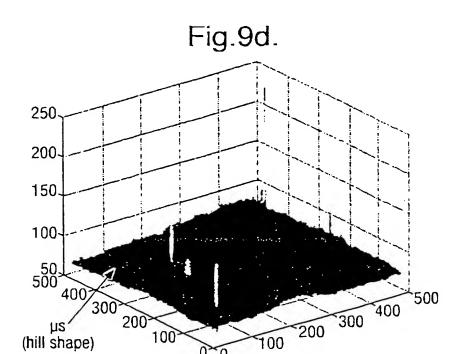


Fig.9c.



The diffused SMF with k=15, $\sigma=0.6$ and t=5 and its corresponding surface plot; Fig.9d.



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Fig. 10a.

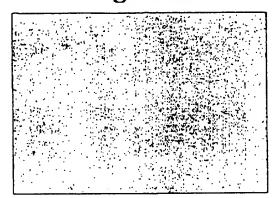


Fig.10b.

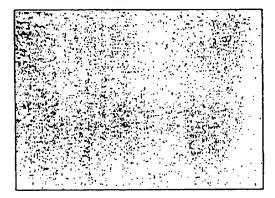


Fig. 10c.

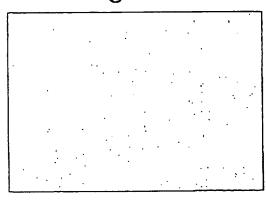


Fig.10d.

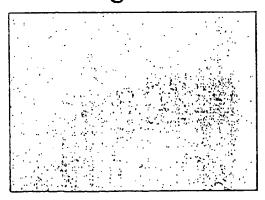


Fig. 10e.

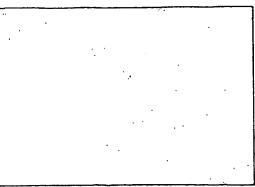


Fig. 10f.

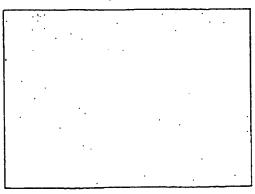


Fig.11a.

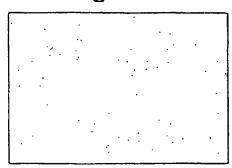


Fig.11b.



Fig.11c.



Fig.11d.

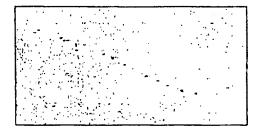
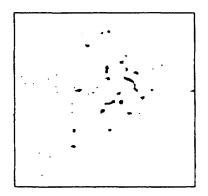


Fig. 11e.



Fig. 11f.



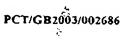


Fig.11g.

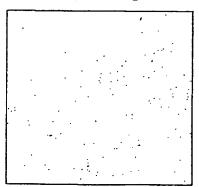


Fig.11h.



Fig.11i.

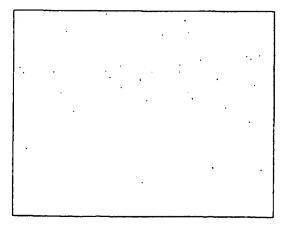


Fig.11j.

